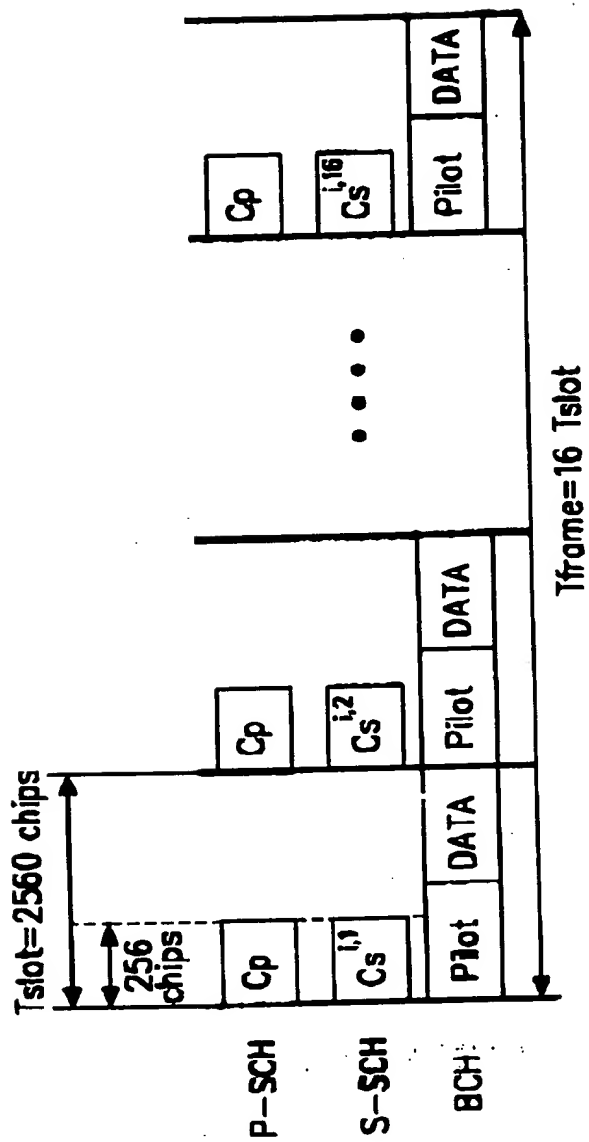
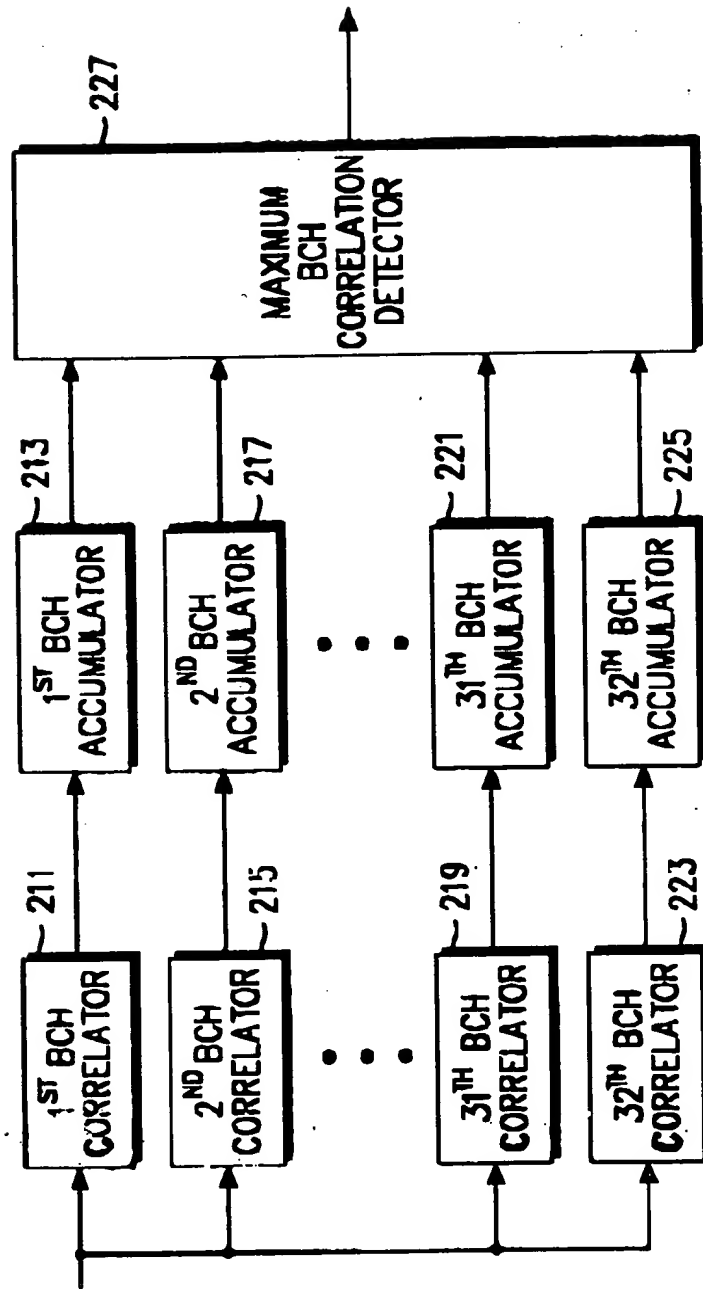


FIG. 1





| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 1 | 1 | 2 | 11 | 6 | 3 | 15 | 7 | 8 | 8 | 7 | 15 | 3 | 6 | 11 | 2 |
| 2 | 1 | 2 | 9 | 3 | 10 | 11 | 13 | 13 | 11 | 10 | 3 | 9 | 2 | 1 | 16 | 16 |
| 3 | 1 | 3 | 16 | 12 | 14 | 2 | 11 | 2 | 17 | 12 | 16 | 3 | 1 | 13 | 4 | 13 |
| 4 | 1 | 4 | 6 | 4 | 1 | 10 | 9 | 8 | 17 | 14 | 12 | 14 | 17 | 8 | 9 | 10 |
| 5 | 1 | 5 | 13 | 13 | 5 | 1 | 7 | 14 | 3 | 16 | 8 | 8 | 16 | 3 | 14 | 7 |
| 6 | 1 | 6 | 3 | 5 | 9 | 9 | 8 | 3 | 6 | 1 | 4 | 2 | 15 | 15 | 2 | 4 |
| 7 | 1 | 7 | 10 | 14 | 13 | 17 | 3 | 9 | 9 | 3 | 17 | 13 | 14 | 10 | 7 | 1 |
| 8 | 1 | 8 | 17 | 6 | 17 | 8 | 1 | 15 | 12 | 5 | 13 | 7 | 13 | 5 | 12 | 15 |
| 9 | 1 | 9 | 7 | 15 | 4 | 16 | 16 | 4 | 15 | 7 | 9 | 1 | 12 | 17 | 17 | 12 |
| 10 | 1 | 10 | 14 | 7 | 8 | 7 | 14 | 10 | 1 | 9 | 5 | 12 | 11 | 12 | 5 | 9 |
| 11 | 1 | 11 | 4 | 16 | 12 | 15 | 12 | 16 | 4 | 11 | 1 | 6 | 10 | 7 | 10 | 6 |
| 12 | 1 | 12 | 11 | 8 | 16 | 6 | 10 | 5 | 7 | 13 | 14 | 17 | 9 | 2 | 15 | 3 |
| 13 | 1 | 13 | 1 | 17 | 3 | 14 | 8 | 11 | 10 | 15 | 10 | 11 | 8 | 14 | 3 | 17 |
| 14 | 1 | 14 | 8 | 9 | 7 | 5 | 6 | 17 | 13 | 17 | 6 | 5 | 7 | 9 | 8 | 14 |
| 15 | 1 | 15 | 15 | 1 | 11 | 13 | 4 | 6 | 16 | 2 | 2 | 16 | 6 | 4 | 13 | 11 |
| 16 | 1 | 16 | 5 | 10 | 15 | 4 | 2 | 12 | 2 | 4 | 15 | 10 | 5 | 16 | 1 | 8 |
| 17 | 1 | 17 | 12 | 2 | 2 | 12 | 17 | 1 | 5 | 6 | 11 | 4 | 4 | 11 | 6 | 5 |
| 18 | 2 | 8 | 11 | 15 | 14 | 1 | 4 | 10 | 10 | 4 | 1 | 14 | 15 | 11 | 8 | 2 |
| 19 | 2 | 9 | 1 | 7 | 1 | 9 | 2 | 16 | 13 | 6 | 14 | 8 | 14 | 6 | 13 | 16 |
| 20 | 2 | 10 | 8 | 16 | 5 | 17 | 17 | 5 | 16 | 8 | 10 | 2 | 13 | 1 | 1 | 13 |
| 21 | 2 | 11 | 15 | 8 | 9 | 8 | 15 | 11 | 2 | 10 | 6 | 13 | 12 | 13 | 6 | 10 |
| 22 | 2 | 12 | 5 | 17 | 13 | 16 | 13 | 17 | 5 | 12 | 2 | 7 | 11 | 8 | 11 | 7 |
| 23 | 2 | 13 | 12 | 9 | 17 | 7 | 11 | 6 | 8 | 14 | 15 | 1 | 10 | 3 | 16 | 4 |
| 24 | 2 | 14 | 2 | 1 | 4 | 15 | 9 | 12 | 11 | 16 | 11 | 12 | 9 | 15 | 4 | 1 |
| 25 | 2 | 15 | 9 | 10 | 8 | 6 | 7 | 1 | 14 | 1 | 7 | 6 | 8 | 10 | 9 | 15 |
| 26 | 2 | 16 | 16 | 2 | 12 | 14 | 5 | 7 | 17 | 3 | 3 | 17 | 7 | 5 | 14 | 12 |
| 27 | 2 | 17 | 6 | 11 | 16 | 5 | 3 | 13 | 3 | 5 | 16 | 11 | 6 | 17 | 2 | 9 |
| 28 | 2 | 1 | 13 | 3 | 3 | 13 | 1 | 2 | 5 | 7 | 12 | 5 | 5 | 12 | 7 | 6 |
| 29 | 2 | 2 | 3 | 12 | 7 | 4 | 16 | 8 | 9 | 9 | 8 | 16 | 4 | 7 | 12 | 3 |
| 30 | 2 | 3 | 10 | 4 | 11 | 12 | 14 | 14 | 12 | 11 | 4 | 10 | 3 | 2 | 17 | 17 |
| 31 | 2 | 4 | 17 | 13 | 15 | 3 | 12 | 3 | 15 | 13 | 17 | 4 | 2 | 14 | 5 | 14 |
| 32 | 2 | 5 | 7 | 5 | 2 | 11 | 10 | 9 | 1 | 15 | 13 | 15 | 1 | 9 | 10 | 1 |

FIG. 3

FIG. 4

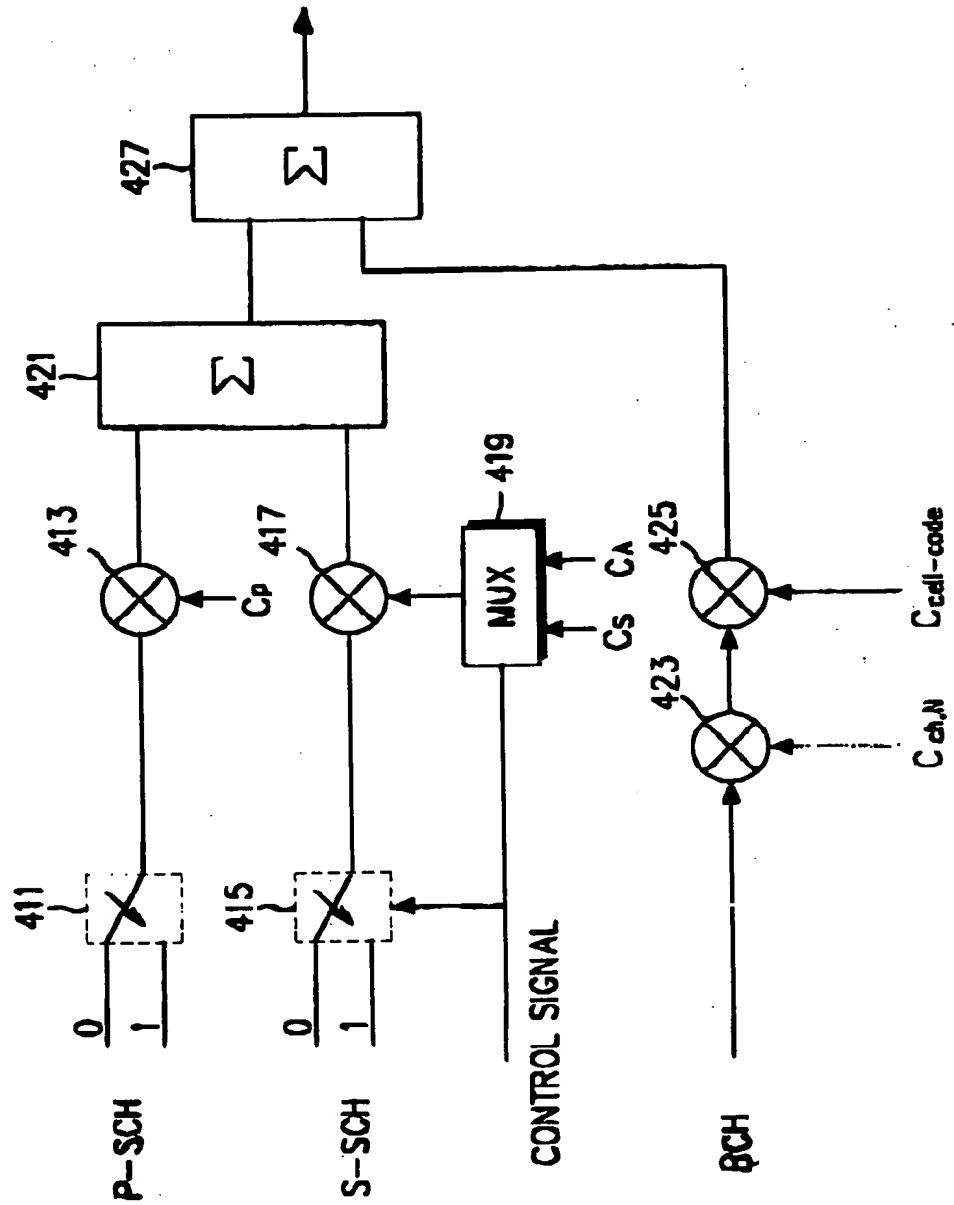


FIG. 5A

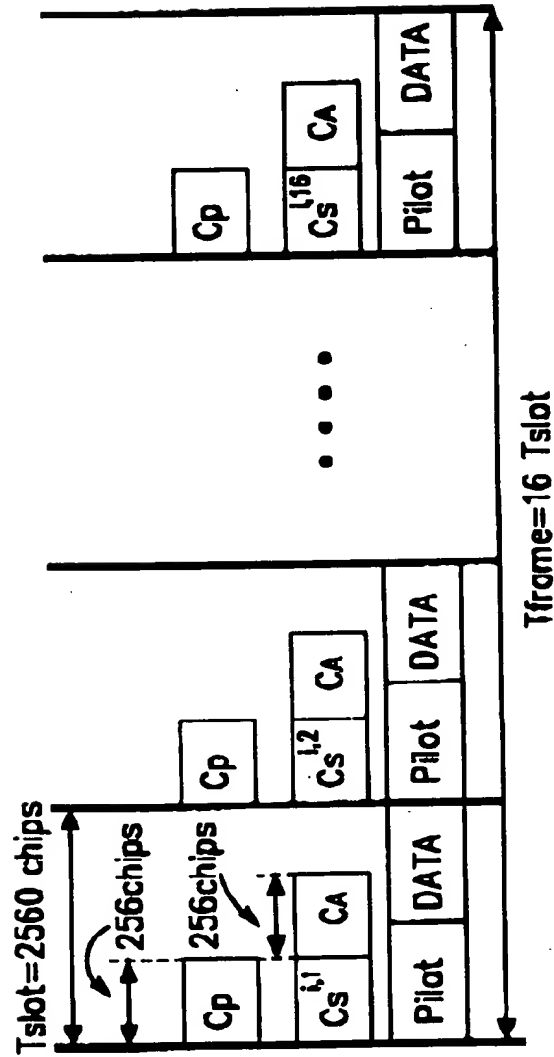


FIG. 5B

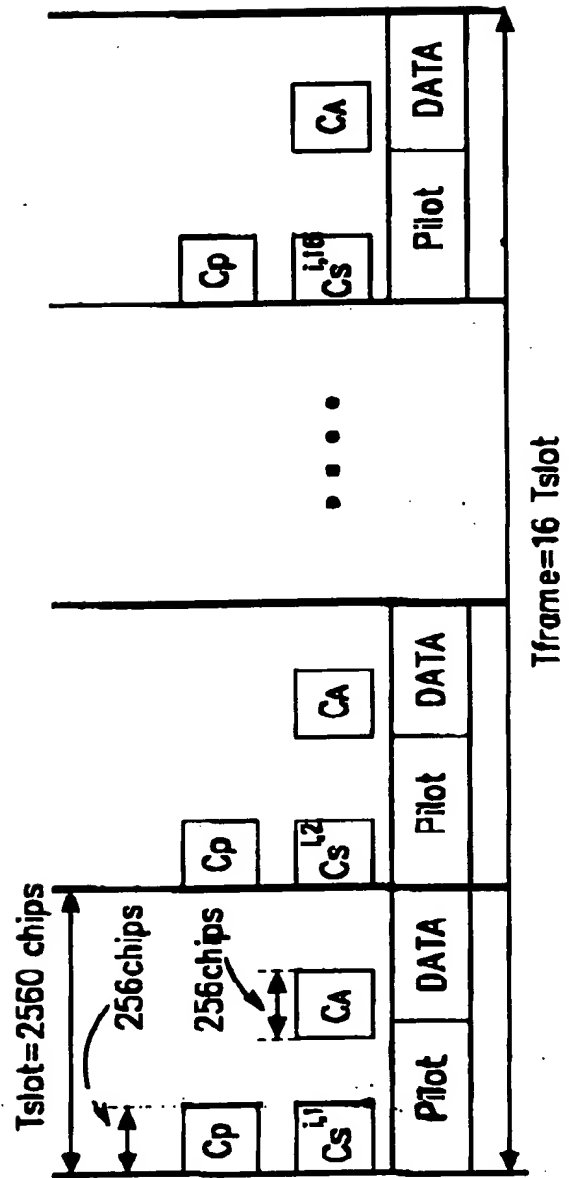
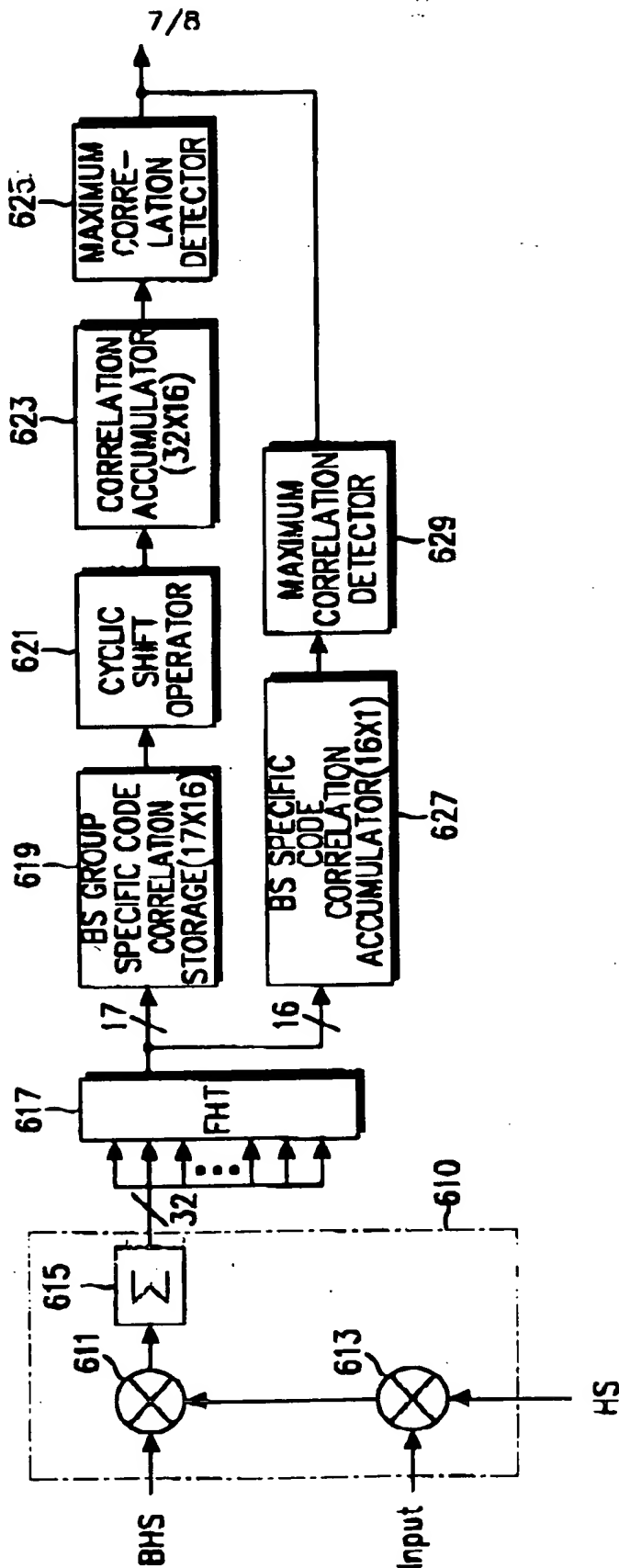


FIG. 6



| | | | | |
|-----------|-----------|----------|------------|------------|
| $s(1,1)$ | $s(1,2)$ | ... | $s(1,15)$ | $s(1,16)$ |
| $s(2,1)$ | $s(2,2)$ | ... | $s(2,15)$ | $s(2,16)$ |
| \vdots | \vdots | \vdots | \vdots | \vdots |
| $s(16,1)$ | $s(16,2)$ | ... | $s(16,15)$ | $s(16,16)$ |
| $s(17,1)$ | $s(17,2)$ | ... | $s(17,15)$ | $s(17,16)$ |

← Cyclic shift

FIG. 7A.

| | | | | |
|-----------|-----------|----------|------------|-----------|
| $s(1,2)$ | $s(1,3)$ | ... | $s(1,16)$ | $s(1,1)$ |
| $s(2,2)$ | $s(2,3)$ | ... | $s(2,16)$ | $s(2,1)$ |
| \vdots | \vdots | \vdots | \vdots | \vdots |
| $s(16,2)$ | $s(16,3)$ | ... | $s(16,16)$ | $s(16,1)$ |
| $s(17,2)$ | $s(17,3)$ | ... | $s(17,16)$ | $s(17,1)$ |

← Cyclic shift

FIG. 7B